



# ABRASIVE SAFETY GUIDE



SCOTCH-BRITE™ CLEAN AND STRIP XT PRO DISCS



## ABRASIVE SAFETY

Abrasive applications such as coating removal, cleaning and surface preparation can involve hazards, and identifying those hazards and the best safety solutions to address them is not always easy. The high speeds, temperatures and forces involved with the use of abrasives can create immediate safety hazards such as cuts and burns. If not properly managed, the routine use of abrasives can also create longer-term health risks from the noise and vibration encountered.

## ABRASIVE WORKPLACE HAZARDS



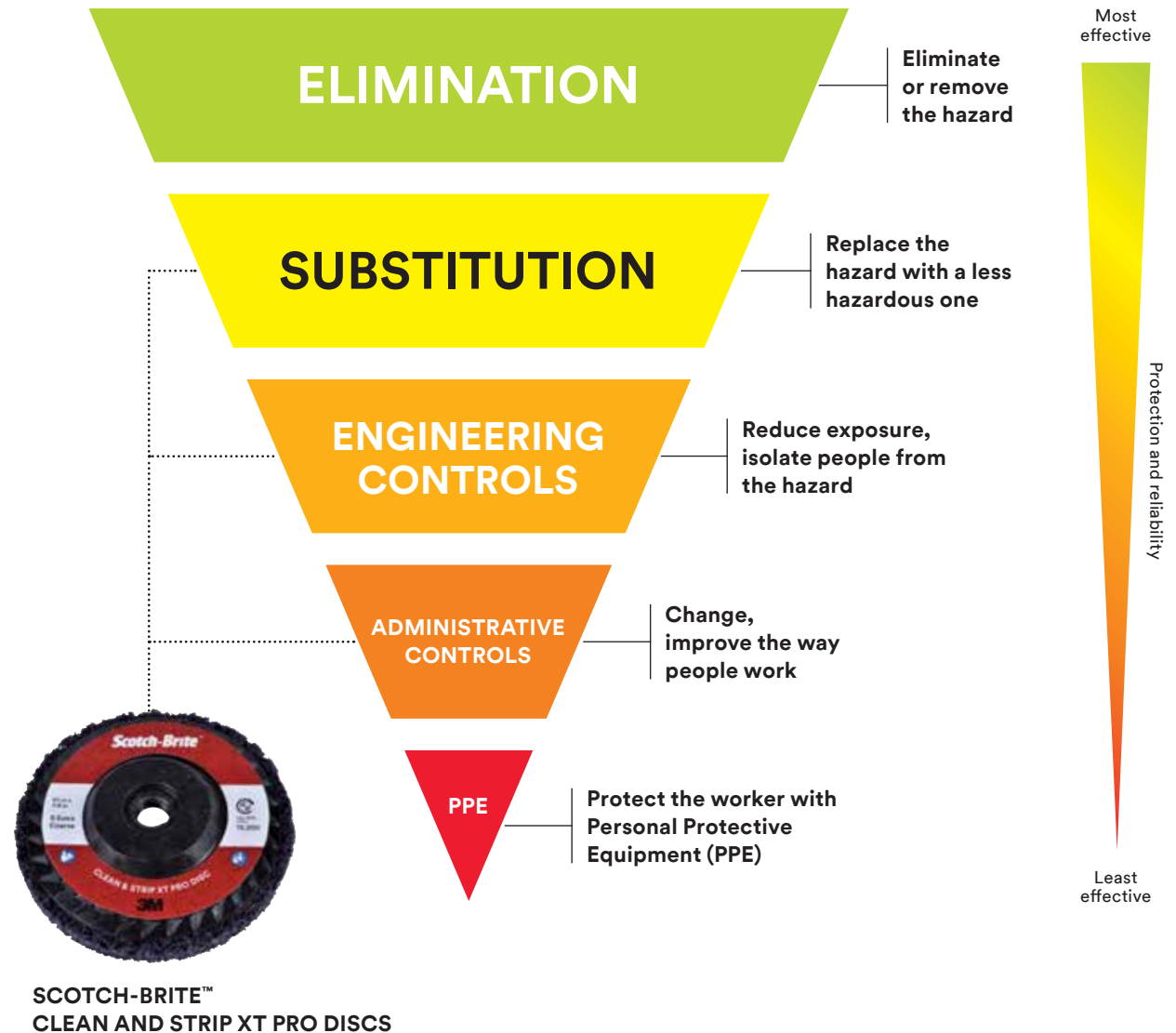
HAND-ARM  
VIBRATION



INJURY

Best practice in health and safety management begins with a thorough risk assessment. Once hazards have been identified and categorized for risk, the next step is to implement preventative measures and appropriate controls.

# HIERARCHY OF CONTROLS



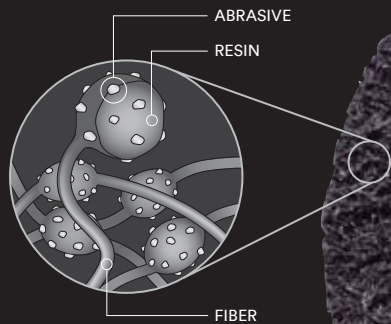
# SCOTCH-BRITE™ CLEAN AND STRIP XT PRO DISCS

## TOUGH JOBS MADE EASIER WITH SCOTCH-BRITE™

Featuring silicon carbide abrasive mineral incorporated into an open nylon web, it effectively removes rust, paint, mill scale and coatings from surfaces without significantly altering the base material. It has increased conformability without compromising strength.



In addition to high conformability, Scotch-Brite™ Clean and Strip XT Pro Discs offer low vibration, decreased chunking and low spark, increasing safety for operators to use. The high-speed rating and faster material removal shortens the amount of time the operator spends using the tool, further reducing vibration exposure.



3D OPEN WEB

### RISK REDUCTION

Most effective

100-81%

80-61%

60-41%

40-21%

20-0%

Least effective



Scotch-Brite™ Clean and Strip XT Pro Disc Type 27 is designed, when removing rust, to help minimize vibration by up to:

90%<sup>1</sup>

VS.  
LEADING COMPETITIVE  
CRIMPED WIRE CUP  
BRUSHES TESTED

69%<sup>1</sup>

VS.  
LEADING COMPETITIVE  
FLAP DISCS TESTED



Hand-Arm Vibration:  
RUST REMOVAL

Scotch-Brite™ Clean and Strip XT Pro Disc Type 27 is designed, when removing paint, to help minimize vibration by up to:

35%<sup>1</sup>

VS.  
LEADING COMPETITIVE  
NONWOVEN DISCS  
TESTED

60%<sup>1</sup>

VS.  
LEADING COMPETITIVE  
FLAP DISCS TESTED



Hand-Arm Vibration:  
PAINT REMOVAL

Scotch-Brite™ Clean and Strip XT Pro Disc Type 27 is designed, when removing mill scale, to help minimize vibration by up to:

49%<sup>1</sup>

OVER LEADING NONWOVEN  
COMPETITIVE DISCS TESTED



Hand-Arm Vibration:  
MILL SCALE REMOVAL



**Less pressure required:**  
helps minimize operator fatigue



**Less trigger time:**  
due to a faster material removal rate helps to reduce vibration exposure

# BOOST YOUR SAFETY AND PRODUCTIVITY WITH THE COMPLETE SOLUTION BY 3M.

## SCOTCH-BRITE™ CLEAN AND STRIP XT PRO DISCS

PRODUCT	DESCRIPTION
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Scotch-Brite™ Clean and Strip XT Pro Discs



Scotch-Brite™ Clean and Strip XT Pro Extra Cut Discs

*Recommended for use with above.*



3M™ Pneumatic Angle Grinder

*Tools and accessories must be purchased separately.*

## 3M™ PERSONAL PROTECTIVE EQUIPMENT (PPE)

PRODUCT	DESCRIPTION
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3M™ SecureFit™ 500 Series Safety Glasses



3M™ Ratchet Headgear H8A, Head and Face Protection 82783 00000, with 3M™ Clear Polycarbonate Faceshield WP96



3M™ Particulate Welding Respirator 8515



3M™ E-A-R™ Push-Ins™ Earplugs 318-100



3M™ E-A-R™ Classic™ Earplugs 311-1101

*Not a complete list of products. Visit [3M.com/PPESafety](https://www.3m.com/PPESafety)*

**LEARN MORE AT [3M.COM/SCOTCHBRITEABRASIVES](https://www.3m.com/SCOTCHBRITEABRASIVES)**

<sup>1</sup> Hand-arm vibration compared to listed competitor and Scotch-Brite™ Clean and Strip XT Pro Disc, Type 27, according to independent testing by Fraunhofer Institute on October 2021. For further information on the independent test data carried out by Fraunhofer Institute, please contact us: [abrasives.uk@mmm.com](mailto:abrasives.uk@mmm.com).



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